

A B S T R A C T

A SYSTEM FOR ASSISTING THE REGENERATION OF DEPOLLUTION
MEANS INCLUDED IN A MOTOR VEHICLE EXHAUST LINE

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This system for assisting the regeneration of depollution means (1) associated with oxidation catalyst-forming means (2) implementing an OSC function, constituting a supply of oxygen and integrated in an exhaust line (3) of a motor vehicle diesel engine (4), in which the engine is associated with common rail means (7) for feeding its cylinders with fuel, is characterized in that it comprises means (8) for analyzing the running conditions (9) of the vehicle and for comparing them with predetermined threshold values (10), to control the engine in a first regeneration mode of operation with a lean mixture (11) when running conditions are above the threshold values, or in a second regeneration operating mode implementing sequences in which engine operation alternates between stages of rich mixture operation and of lean mixture operation (12) when conditions are below the threshold values.

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Translation of the title and the abstract as they were when originally filed by the
35 Applicant. No account has been taken of any changes that may have been made subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.